

Work Order ID 145870

Friday, May 06, 2016 10:54:50 AM

145870

Page 1

Item ID: D212-580-043

Accept

N9000040100Setup Start ***NS1***

Revision ID:

Item Name: Led Pulse Light

Stop ***NS2***

Start Date: 4/28/2016 Start Qty: 2.00

2

Cust Item ID:

Required Date: 5/5/2016 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

IIN-D212-580-2

D

JUN 29 2016

DAS
8
9-89DAS
21
9-89 1607-04
(3)

100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPPD212-580-043 CHG001

JUN 14 2016

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

3 DAS
6
9-89

JUL 13 2016

120

QC4- 100% Inspect kits for completeness

0.03

120

QC

Memo

0.06

Quality Control

JUL 14 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition			Completed By																		
							Lead hand / Supervisor Approval Verification																		
							QC / QA Coordinator Approval																		
Root Cause				FAULT CATEGORY																					
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER :																		

Work Order ID 145870

Friday, May 06, 2016 10:54:50 AM

145870

Page 2

Item ID: D212-580-043

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Led Pulse Light

Start Date: 4/28/2016 Start Qty: 2.00

2

Cust Item ID:

Required Date: 5/5/2016 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Pick Kit	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPPD212-580-043 Location:FG018								
140	QC21- Final Inspection - Work Order Release	0.10							
140									
QC	Memo	0.20							
Quality Control									

X3
DAS
27
9-89
JUL 14 2016DAS
21
9-89
JUL 14 2016DAS
21
9-89
JUL 14 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
☐ Environment	☐ Design	☐ Doc/Data	☐ Equip/Tooling	☐ Handling/Pre	☐ Material	☐ Internal Transport	☐ Tribal Knowledge
☐ LOA	☐ Substation	☐ Past Expiry Date	☐ Misidentified	☐ No Re-verification	☐ Operator	☐ Offset/Setup	☐ Supplier
				☐ Training	☐ Use for Testing	☐ Poor Information	☐ Rushing
				☐ Product Improvement	☐ Process Improvement	☐ Manufacturing Process	☐ Past Due
				☐ Pressure/Forced	☐ Bending	☐ Centre Not Concentric	☐ Cracks
				☐ Crimp/Kink/Ripple/Wave	☐ Cuffs	☐ Crushing	☐ Heat Treat
				☐ Wave/Twist in Tube	☐ Marks/Chatter	☐ Temperature/Cure	☐ Set-up
				☐ BOM/Route	☐ Broken/Damage/Defect	☐ Inspection Incomplete/Unqualified	☐ Contamination
				☐ Countersink	☐ Cut Too Short	☐ Instructions Incomplete/Unclear	☐ Drill Holes
				☐ Power Loss/Surge	☐ Folio/Program	☐ Grain	☐ Weld
				☐ Wrong Stock Pulled	☐ Out of Sequence	☐ Off-set	☐ Mislabeled
				☐ Fit/Function	☐ Misaligned/off center	☐ Positioned Wrong	☐ Outside Dimensions
				☐ Over/Under tolerance	☐ Part Incorrect	☐ Part Lost/Missing	☐ Part Moved
				☐ Drawing	☐ Finish	☐ Misread	☐ Turning Sequence
OTHER : _____							

Picklist Print

Friday, May 06, 2016 10:54:49 AM

Page 1

Work Order ID: 145870

145870

Parent Item: D212-580-043

D212-580-043

Parent Item Name: Led Pulse Light

Start Date: 4/28/2016

Required Date: 5/5/2016

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP REV:A NEW ISSUE 10-05-11 JLM VERIFIED BY:DD IPP
rev:B 10.10.12 AS PER ECN10-618 DD VRF:JLM IPP rev:C
10.11.22 AS PER ECN10-642 DD VRF:JLM IPP rev:D 10.12.16
AS PER ECN10-658 DD VRF:EC IPP rev:E 11.03.31 added
D4377-1 DD VRF:EC IPP REV:F 12.02.24 as per DSI9596
rev a DD vrf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
EWLA1000DBDS0W *FWI A1000DBDS0W* LED Light		Purchased	No			110	Each	8.0000	2	46 145511X1			DAS 6 9-89
				<u>Location</u>			<u>Loc Qty</u>			<u>Loc Code</u>			
				ST540			8						
				m134391			8			5			
D4078-1 *D4078-1* Clamp Half		Manufactured	No			110	Each	0.0000	2	46 B144751			DAS 6 9-89
D4079-1 *D4079-1* Clamp Half Attachment		Manufactured	No			110	Each	0.0000	2	46 B144778			DAS 6 9-89
D4081-1 *D4081-1* Bushing		Manufactured	No			110	Each	6.0000	2	46			DAS 6 9-89
				<u>Location</u>			<u>Loc Qty</u>			<u>Loc Code</u>			
				ST078			6						
				131725			6						

JUL 13 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY			
Environment ☐	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design ☐	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data ☐	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling ☐	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre ☐	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material ☐	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport ☐	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge ☐	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA ☐	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation ☐	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date ☐	☐	Manufacturing Process	☐	OTHER :			
Misidentified ☐	☐	Past Due	☐				

Picklist Print

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Work Order ID: 145870

Parent Item: D212-580-043

Parent Item Name: Led Pulse Light

145870

D212-580-043

Start Date: 4/28/2016

Required Date: 5/5/2016

Start Qty: 2.00

Required Qty: 2.00

MS26574-3

Purchased

No

110

Each

1.0000

**

23
M13484322

DAS
6
9-89

DAS
26
9-89

MS26574-3

CIRCUIT BREAKER

DAS
27
9-89

Location

Loc Qty

Loc Code

ST281

1

m132660

1

MS22073-3

Purchased

No

110

Each

6.0000

**

23

DAS
6
9-89

DAS
26
9-89

MS22073-3

CIRCUIT BREAKER

DAS
27
9-89

Location

Loc Qty

Loc Code

ST290

6

m134491

6

MS24524-21

Purchased

No

110

Each

3.0000

**

23

DAS
6
9-89

DAS
26
9-89

MS24524-21

SWITCH (ON-OFF-ON)

DAS
27
9-89

Location

Loc Qty

Loc Code

ST290

3

m134620

3

1210/2405-2A

Purchased

No

110

Each

6.0000

**

23

DAS
6
9-89

DAS
26
9-89

1210/2405-2A

PULSE LIGHT MODULE

DAS
27
9-89

Location

Loc Qty

Loc Code

ST540

6

m132638

1

m134455

5

2

JUL 1-3 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

Friday, May 06, 2016 10:54:49 AM

Page 3

Work Order ID: 145870

Parent Item: D212-580-043

Parent Item Name: Led Pulse Light

145870

D212-580-043

Start Date: 4/28/2016

Required Date: 5/5/2016

Start Qty: 2.00

Required Qty: 2.00

206486-2
206486-2
CONNECTOR, SOCKET (J1000)

Purchased No

110 Each

9.0000

1

**

DAS
6
9-89

DAS
26
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST577

9

m125901

9

206485-1
206485-1
CONNECTOR, PLUG (J1000)

Purchased No

110 Each

9.0000

1

**

DAS
6
9-89

DAS
26
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST576

6

M134712

6

ST577

3

M134243

3

206458-1
206458-1
FEED-THRU-RECEPTACLE (J2/J3)

Purchased No

110 Each

9.0000

1

**

DAS
6
9-89

DAS
26
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST576

9

M132108

1

M132568

8

206460-1
206460-1
CONNECTOR, PLUG (P2)

Purchased No

110 Each

10.0000

1

**

DAS
6
9-89

DAS
26
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST577

10

M134076

10

JUL 13 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date : _____		Step #: _____		QTY Effective : _____			MRB (QS1042) Approval				
Description Work Order Deviation				Disposition				Completed By			
								Lead hand / Supervisor Approval Verification			
										QC / QA Coordinator Approval	
Root Cause				FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
OTHER : _____											

Picklist Print

Friday, May 06, 2016 10:54:49 AM

Page 4

Work Order ID: 145870

145870

Parent Item: D212-580-043

D212-580-043

Parent Item Name: Led Pulse Light

Start Date: 4/28/2016

Required Date: 5/5/2016

Start Qty: 2.00

Required Qty: 2.00

205838-1

Purchased

No

110

Each

6.0000

1

**

DAS

6

9-89

205838-1

CONNECTOR, PLUG (P3)

DAS

27

9-89

Location

Loc Qty

Loc Code

ST576

6

M132660

6

M39029/64-369

Purchased

No

110

Each

31.0000

10

**

M39029/64-369

Connector, Pins (J1000)

Location

Loc Qty

Loc Code

ST566

31

m134314

31

M39029/63-368

Purchased

No

110

Each

62.0000

30

**

M39029/63-368

CONTACTS, SOCKETS (P1000)

Location

Loc Qty

Loc Code

ST566

62

M134502

62

1-206062-4

Purchased

No

110

Each

9.0000

4

**

1-206062-4

CONNECTOR BACKSHELL

Location

Loc Qty

Loc Code

st572

9

m134257

9

DAS

27

9-89

DAS

6

9-89

DAS

26

9-89

JUL 13 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

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Work Order ID: 145870

Parent Item: D212-580-043

Parent Item Name: Led Pulse Light

145870

D212-580-043

Start Date: 4/28/2016

Required Date: 5/5/2016

Start Qty: 2.00

Required Qty: 2.00

AN4-17A
AN4-17A
Bolt

Purchased No

110 Each

228.0000

**

2
34754

DAS
6
9-89

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003	150	
M134508	50	
M134573	50	
M134634	50	
ST343	78	
M133998	78	

AN3-7A
AN3-7A
Bolt

Purchased No

110 Each

302.0000

**

4
12

DAS
6
9-89

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003	250	
m134606	250	
ST3349	46	
m133694	46	
ST349	6	
m132803	6	

12

JUL 13 2016

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Friday, May 06, 2016 10:54:50 AM

Page 6

Work Order ID: 145870

145870

Parent Item: D212-580-043

D212-580-043

Parent Item Name: Led Pulse Light

Start Date: 4/28/2016

Required Date: 5/5/2016

Start Qty: 2.00

Required Qty: 2.00

MS21042L4

Purchased

No

110

Each

1,670.000

2

**

DAS

6

9-89

MS21042I 4

Locknut

DAS
27
9-89

Location

Loc Qty

Loc Code

GA	279	
m133769	279	
OVER007	500	
m134676	500	
ST303	794	
m134606	794	
ST305	97	
m130922	97	

MS21042L3

Purchased

No

110

Each

1,726.000

7

**

DAS
6
9-89

MS21042I 3

Nut

DAS
27
9-89

Location

Loc Qty

Loc Code

FP001	100	
m133790	100	
GA	701	
m133790	3	
m134360	698	
ST303	925	
m134039	12	
m134360	313	
m134634	600	

JUL 13 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																								
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																							
Root Cause		FAULT CATEGORY																																																													
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	No Re-verification ☐	Operator ☐	Offset/Setup ☐	Supplier ☐	Training ☐	Use for Testing ☐	Poor Information ☐	Rushing ☐	Product Improvement ☐	Process Improvement ☐	Manufacturing Process ☐	Past Due ☐	Pressure/Forced ☐	Bending ☐	Centre Not Concentric ☐	Cracks ☐	Crimp/Kink/Ripple/Wave ☐	Cuffs ☐	Crushing ☐	Heat Treat ☐	Wave/Twist in Tube ☐	Marks/Chatter ☐	Temperature/Cure ☐	Set-up ☐	BOM/Route ☐	Broken/Damage/Defect ☐	Inspection Incomplete/Unqualified ☐	Contamination ☐	Countersink ☐	Cut Too Short ☐	Instructions Incomplete/Unclear ☐	Drill Holes ☐	Power Loss/Surge ☐	Folio/Program ☐	Grain ☐	Weld ☐	Wrong Stock Pulled ☐	Out of Sequence ☐	Off-set ☐	Mislabeled ☐	Fit/Function ☐	Misaligned/off center ☐	Positioned Wrong ☐	Outside Dimensions ☐	Over/Under tolerance ☐	Part Incorrect ☐	Part Lost/Missing ☐	Part Moved ☐	Drawing ☐	Finish ☐	Misread ☐	Turning Sequence ☐
																						OTHER : ☐																																									

Picklist Print

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Page 7

Work Order ID: 145870

Parent Item: D212-580-043

Parent Item Name: Led Pulse Light

145870

D212-580-043

Start Date: 4/28/2016

Required Date: 5/5/2016

Start Qty: 2.00

Required Qty: 2.00

NAS1149D0463J

Purchased

No

110

Each

1,420.000

4

8 12

NAS1149D0463.I

WASHER

**

134852

DAS
6
9-89

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA	328	
M132035	21	
M134508	307	
ST260a	998	
M134634	998	
ST263	94	
M134508	94	

NAS1149D0363J

Purchased

No

110

Each

2,248.000

8

16 24

NAS1149D0363.I

Washer

**

DAS
6
9-89

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA	518	
m134055	518	
ST260a	1000	
m134676	1000	
ST263	730	
m134606	730	

24

AN525-832R10

Purchased

No

110

Each

22.0000

4

8 12

AN525-832R10

SCREW

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST328	22	
m128936	22	

12

DAS
6
9-89

DAS
26
9-89

JUL 13 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause			FAULT CATEGORY							
Environment ☐	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong
Design ☐	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions
Doc/Data ☐	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance
Equip/Tooling ☐	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect
Handling/Pre ☐	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing
Material ☐	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved
Internal Transport ☐	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing
Tribal Knowledge ☐	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish
LOA ☐	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread
Substation ☐	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence
Past Expiry Date ☐	☐	Manufacturing Process	OTHER : _____							
Misidentified ☐	☐	Past Due								

Picklist Print

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Page 8

Work Order ID: 145870

Parent Item: D212-580-043

Parent Item Name: Led Pulse Light

145870

D212-580-043

Start Date: 4/28/2016

Required Date: 5/5/2016

Start Qty: 2.00

Required Qty: 2.00

MS21042L08

Purchased

No

110

Each

1,195.000

4

8 12

MS21042I 08

Nut

**

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

319

m133134

3

m134063

316

ST303

619

m129682

82

m133922

37

m134574

200

m134654

300

ST308

257

m134376

257

DAS
6
9-89

DAS
26
9-89

NAS1149DN816J

Purchased

No

110

Each

281.0000

8

16 24

NAS1149DN816.I

WASHER

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST265

281

m128057

281

MS35206-217

Purchased

No

110

Each

983.0000

4

8 12

MS35206-217

SCREW

**

DAS
27
9-89

Location

Loc Qty

Loc Code

ST272

983

m133799

983

DAS
6
9-89

DAS
26
9-89

JUL 3 2016

Friday, May 06, 2016 10:54:50 AM

Shop Packet Print

Page 8

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QS1042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									

Picklist Print

Friday, May 06, 2016 10:54:50 AM

Page 9

Work Order ID: 145870

Parent Item: D212-580-043

Parent Item Name: Led Pulse Light

145870

D212-580-043

Start Date: 4/28/2016

Required Date: 5/5/2016

Start Qty: 2.00

Required Qty: 2.00

MS21042L04

Purchased

No

110

Each

134.0000

4

8.12

MS21042I 04

NUT

**

DAS

6

9-89

DAS

26

9-89

Location

Loc Qty

Loc Code

CA

54

M129682

54

ST303

72

125653

72

ST305

8

M130388

8

DAS

6

9-89

DAS

26

9-89

NAS1149DN432J

Purchased

No

110

Each

165.0000

8

16.24

NAS1149DN432.I

WASHER

**

DAS

6

9-89

DAS

26

9-89

Location

Loc Qty

Loc Code

CA

165

m129682

165

D4377-1

Manufactured

No

110

Each

8.0000

1

2.3

D4377-1

Placard

**

DAS

6

9-89

DAS

26

9-89

Location

Loc Qty

Loc Code

ST095

8

134551

1

142576

7

JUL 13 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Work Order ID 145870

Friday, May 06, 2016 10:54:50 AM

145870

Page 1

Item ID: D212-580-043

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Led Pulse Light

Start Date: 4/28/2016 Start Qty: 2.00

2

Cust Item ID:

Required Date: 5/5/2016 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date:
QC: Date: SPC (Y/N): Date:

Run Start ***NR1***

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D212-580-2	D	JUN 29 2016							
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPPD212-580-043 CHG001								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.03							
120									
QC	Memo	0.06							
Quality Control									

DAS
21
9-89

JUL 04 2016

3

7.0 PARTS LIST

Qty	Part Number	Description
X	D212-580-043	LED Pulse Light Kit
2	EWLA1000DBDS0W	LED Light
2	D4078-1	Clamp Half
2	D4079-1	Clamp Half, Attachment
2	D4081-1	Bushing
1	MS26574-3	Circuit Breaker
1	MS22073-3	Circuit Breaker
1	MS24524-21	Switch (On-Off-On)
1	1210/2405-2A	Pulse Light Module
1	206486-2	Connector, Socket (J1)
1	206485-1	Connector, Plug (P1)
1	206458-1	Feed-thru, Receptacle (J2/J3)
1	206460-1	Connector, Plug (P2)
1	205838-1	Connector, Plug (P3)
10	M39029/64-369	Contacts, Pins (J1)
30	M39029/63-368	Contacts, Sockets (P1/P2/P3)
4	1-206062-4	Connector Backshell
2	AN4-17A	Bolt
4	AN3-7A	Bolt
2	MS21042L4	Nut
7	MS21042L3	Nut
4	NAS1149D0463J	Washer
8	NAS1149D0363J	Washer
4	AN525-832R10	Screw
4	MS21042L08	Nut
8	NAS1149DN816J	Washer
4	MS35206-217	Screw
4	MS21042L04	Nut
8	NAS1149DN432J	Washer
1	D4377-1	Placard

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Revision: D
Date: 12.06.13